United States Senate

WASHINGTON, DC 20510

March 25, 2010

The Honorable Daniel K. Inouye
Chairman
Senate Committee on Appropriations
United States Capitol, Room S-131
Washington, DC 20510

The Honorable Thad Cochran
Vice Chairman
Senate Committee on Appropriations
United States Capitol, Room S-146A
Washington, DC 20510

The Honorable Herb Kohl
Chairman
Senate Committee on Appropriations
Subcommittee on Agriculture
129 Dirksen Senate Office Building
Washington, DC 20510

The Honorable Sam Brownback
Ranking Member
Senate Committee on Appropriations
Subcommittee on Agriculture
190 Dirksen Senate Office Building
Washington, DC 20510

Dear Chairmen and Ranking Members,

We are pleased to forward to you the following requests for Fiscal Year 2011 Agriculture, Rural Development, and Related Agencies appropriations for the State of Oregon. We fully support the President's budget for projects in Oregon and the Pacific Northwest as well as the additional requests we are submitting. **Please note that these projects are in no particular order.**

Project Name: Northeast Oregon Grown Meat Processing Development Plan
Amount Requested: $125,000

Project Name: STEEP III - Water Quality in the Northwest
Amount Requested: $1,000,000

Project Name: Alsea County Service District Storm Water Project
Amount Requested: $0. Only committee report language is requested

Project Name: Benton County Fairgrounds Waste Water Collection and Drainage Project
Amount Requested: $0. Only committee report language is requested

Project Name: Northwest Center for Small Fruits
Amount Requested: $1,350,000

Project Name: Bioremediation Research
Amount Requested: $600,000

Project Name: Endophyte Research
Amount Requested: $1,400,000

Project Name: Grass Seed Cropping
Amount Requested: $500,000

Project Name: Meadow Foam
Amount Requested: $275,000

Project Name: Molluscan Shellfish
Amount Requested: $600,000

Project Name: Multi-commodity Research
Amount Requested: $347,000

Project Name: Organic Cropping
Amount Requested: $400,000

Project Name: Potato Breeding Research
Amount Requested: $2,800,000

Project Name: Regional Barley Gene Mapping
Amount Requested: $800,000

Project Name: Small Fruit Research
Amount Requested: $500,000

Project Name: Wood Utilization Research
Amount Requested: $7,000,000

Project Name: Spalding Avenue Sewage Pump Station
Amount Requested: $0. Only committee report language is requested.

Project Name: City of Riddle Wastewater Plant Upgrade
Amount Requested: $0. Only committee report language is requested.

Project Name: Western Wheat Quality Laboratory
Amount Requested: $1,050,000

Project Name: Relocating Seaside School District out of the Tsunami Zone.
Amount Requested: $0. Only committee report language is requested.

Project Name: Harney Basin Riparian Areas, Collaboration, Facilitation, and Education
Amount Requested: $250,000

Project Name: Hubbard Creek Impoundment Improvement Project, Port Orford

Amount Requested: $0. Only committee report language is requested.

Project Name: Hubbard Creek Water Distribution Improvement Project, Port Orford
Amount Requested: $0. Only committee report language is requested.

Project Name: Energy and Climate Change Research / Technical Assistance for Oregon Agriculture
Amount Requested: $1,042,500

Additionally, we support the following national programs funded by the Agriculture, Rural Development, and Related Agencies Appropriations bill which provide vital support to agriculture and rural communities in Oregon. These programs include the Animal Welfare Program, Cereal Rust Disease, Commodity Supplemental Food Program, Emergency Food Assistance Program, Food Bank Infrastructure Grant Program, Potato Breeding Research, Pollinator Research, Rural Community Assistance Programs, and Wood Utilization Research.

Consistent with the requirements of paragraph 9 of Rule XLIV of the Standing Rules of the Senate, we certify that neither ourselves nor any member of our immediate family has a pecuniary interest in any of the congressionally directed spending items that we have requested in the fiscal year 2011 Agriculture, Rural Development, and Related Agencies Appropriations bill and report. We further certify that we have posted a description of the items requested on our official websites, along with the accompanying justification

Thank you for your consideration of these worthy projects. We appreciate your strong and continued leadership and look forward to working with you this year on funding vital to our nation. If you have any questions, please contact Mr. Isaiah Akin in Senator Wyden's office at 224-5244, or Ms. Courtney Thompson in Senator Merkley's office at 224-7648.

Sincerely,

Ron Wyden
United States Senator

Jeff Merkley
United States Senator

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Northeast Oregon Grown Meat Processing Development Plan

Priority:

Amount Requested: $125,000

Agency/Account: Rural Development/Rural Business-Cooperative Service

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

Funds will be used to conduct a comprehensive analysis of upgrading existing custom-exempt slaughter and processing plants to USDA inspected capability, building additional facilities, developing a mobile slaughter unit, and employing alternative methods of byproduct disposal/use, including offal bio digestion systems for energy. The plan will address current needs and opportunities from a whole food system perspective with involvement from all stakeholders including producers, processors, regulators, purchasers and consumers. This analysis will result in recommendations on infrastructure, supply chains, marketing and ownership structures needed to develop a profitable solution for regional meat processing that could be replicated in other areas.

- Provide the funding history for this project. Include all private and public funds.

There is no funding history for this project.

- Does this project receive matching funds? If so, please give a detailed description.

  No.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. Following this analysis, the Northeast Oregon Grown Meat Processing Development Plan may request funding for targeted infrastructure to assist custom-exempt processors with meeting USDA standards and/or bring USDA mobile slaughter to the area.

- Who is the final recipient of these funds? Where are they located?

  Eastern Oregon University
  One University Blvd.
  La Grande, Oregon 97850

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any):

- Requested Report Language (if any):

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: STEEP III - Water Quality in the Northwest

Priority:

Amount Requested: $1,000,000

Agency/Account: Natural Resources Conservation Service / Conservation Operations

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

  The Pacific Northwest (PNW) produces 13 percent of the nation's wheat supply and 80 percent of its soft white wheat for export. The PNW is a unique agricultural area with 75 percent of annual precipitation falling in winter. Soils store this moisture enabling the region to produce the highest dryland winter wheat yields in the U.S. Its silt-based soils are nevertheless subject to water and wind erosion with conventional tillage often leaving the soil surface bare. Solutions To Environmental and Economic Problems (STEEP) researches cropping techniques, including direct-seeding, residue management, weed control, and disease and nutrient management, in cooperation with local extension programs, to facilitate successful conservation farming techniques.

  Funds are allocated through a competitive grant process hence budget allocations differ within each funded proposal. In general, two thirds of funding is used to pay for labor (faculty research assistants, graduate students, undergraduate students or temporary workers) with remaining funds used for services, supplies, travel and a limited amount of needed equipment. Oregon-based scientists typically receive a third or more of available funds.

- Provide the funding history for this project. Include all private and public funds. Funding for STEEP-related work began in 1975. A regional grower-researcher committee with representation from partner organizations establishes new research priorities every 2-3 years. OSU funding for the last five years follows:

  FY06 USDA/NIFA: $592,000
  FY07: Congressionally directed spending was eliminated in FY07.
  FY08 USDA/NIFA: $473,000
  FY09 USDA/NIFA: $444,000
  FY10 USDA/NIFA: $444,000

- Does this project receive matching funds? If so, please give a detailed description.

Yes. In nearly all cases, principal investigator salary and benefits are not paid through grants provided under this program and therefore represent an in-kind match of state dollars to funded research and extension programs. The program does not allow payment of graduate student tuition but will allow payment of student stipends. The partner universities provide tuition payment through state funds. This grant program does not allow partner universities to charge overhead expenses, hence the universities are covering facilities maintenance, operations, repair and upgrading expenses as well as administrative operational expenses through other funding sources. In most instances, principal investigators have secured funding for parallel research through state commodity organizations or other state agencies. While difficult to quantify on a specific basis and varying from year-to-year, non-federal contributions are at least 1.5 to 1 for each federal dollar provided to the program.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. STEEP facilitates sustainable, cereal-based crop production systems for dryland farms in eastern Oregon and throughout the PNW. Dryland crops in Oregon's Columbia Basin are valued at $400 million annually. STEEP research concentrates on long-term cropping system assessment including issues such as carbon sequestration and biofuels production potential. This research will generate conservation farming information that will help cereal cropping farms across the PNW.

- Who is the final recipient of these funds? Where are they located?

  Oregon State University
  Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Alsea County Service District Storm Water Project

Priority:

Amount Requested: $0. Only committee report language is requested

Agency/Account: Natural Resources Conservation Service – Watershed and Flood Prevention Operations

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

Benton County will use funds to replace inadequate and damaged storm drainage pipes, add new pipes, and install catchbasins to collect water. Since it is a small straighforward project, planning and final design work is included in the estimated cost.

The Alsea County Service District operates water and wastewater systems in this unincorporated community. Storm water drainage systems are inadequate to handle high winter flows causing standing water, damage to roads and alleys, and infiltaration into the sanitary sewer system. To alleviate flooding, some property owners illegally discharge storm water into the sewer system causing overloading of the treatment plant.

Funding will allow for immediate completion of final construction design documents and then move to construction.

- Provide the funding history for this project. Include all private and public funds.

None

- Does this project receive matching funds? If so, please give a detailed description.

$15,000 – Local Matching Funds from the Alsea County Service District

- Will this project require future funding beyond FY11? If so, please describe.
  No

- Who is the final recipient of these funds? Where are they located?
  Chris Bielenberg, Benton County Facilities Manager
  360 SW Avery Avenue
  Corvallis OR 97333
  541-766-6821 Phone
  541-766-6891 Fax

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much?

No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any):

NATURAL RESOURCES CONSERVATION SERVICE ACCOUNT- The Committee has been made aware of and encourages the Department to give consideration to applications relating to watershed and flood prevention operations for the following: [...] Alsea County Service District Storm Water Project.

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Benton County Fairgrounds Waste Water Collection and Drainage Project

Priority:

Amount Requested: $0. Only committee report language is requested

Agency/Account: NRCS/WFPO

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

The design is a green technology solution to treat surface animal wastes through a manmade wetland. Project will intercept and manage animal waste to bring the site into compliance with Oregon Department of Environmental Quality (DEQ) regulations. The end product will allow discharge into a fish bearing stream. Components include construction of a wastewater drainage collection, storage and field application system to properly manage runoff from animal wastes at the fairgrounds. Project will include underground drainage pipes directed to two collection sumps. The collection sumps will transfer wastewater into a large storage and supply tank, which will then be pumped onto constructed wetlands. The surface areas where animals are handled outside of the buildings will be resurfaced to direct wastewater runoff into the collection drains and sumps. The animal solid waste storage building will be relocated next to the wastewater collection and storage tank.
Funding will provide for immediate completion of final design and engineering.
Upon completion of construction documents, procurement for a contractor to complete construction will begin.

- Provide the funding history for this project. Include all private and public funds.

Benton County has provided upfront money for the engineering and design work but does not have the funds for final design, bid documents and construction.

- Does this project receive matching funds? If so, please give a detailed description.

Benton County has identified up to $45,000 for this project. $15,000 has been allocated in the capital fund as well as $30,000 of in kind money for final design and engineering.

- Will this project require future funding beyond FY11? If so, please describe.

No

- Who is the final recipient of these funds? Where are they located?

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much?

  Benton County Public Works
  Chris Bielenberg, Facilities and Utilities Manger
  360 SW Avery Ave
  Corvallis OR 97370

- Requested Bill Language (if any):

- Requested Report Language (if any):

NATURAL RESOURCES CONSERVATION SERVICE ACCOUNT- The Committee has been made aware of and encourages the Department to give consideration to applications relating to watershed and flood prevention operations for the following: [...] Benton County Fairgrounds Waste Water Collection and Drainage Project.

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):

Project Name: Northwest Center for Small Fruits

Priority:

Amount Requested: $1,350,000

Agency/Account: Agricultural Research Service (ARS)

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

Small Fruit Pathology $500,000. $400,000 for research post and pre-harvest plant pathology to address disease and pest issues including botrytis, alternaria and fruit flys to increase shelf life and marketability. ARS research scientist, one full time technician, greenhouse, office and laboratory space and $100,000 for specific cooperative agreement for a technical support position.

Site Feasibility Study and Phase 1 Design for Additional or New Research Facilities. $350,000 for a full assessment, strategic evaluation and functional analysis of current facilities and infrastructure.

Collaborative Research Grants. $500,000 will be used for the competitive grants program peer reviewed small fruits research projects.

- Provide the funding history for this project. Include all private and public funds.

FY2010 Funding Amount: $275,000
FY2009 Funding Amount: $254,000
FY2004: Funding Amount: $201,300

- Does this project receive matching funds? If so, please give a detailed description.
  Below is the amount the stakeholder commodity organizations in the PNW contributed to small fruits research and promotion in FY 2009-10:
  Oregon Strawberry Commission $79,530
  Oregon Raspberry & Blackberry Commission $238,215
  Oregon Blueberry Commission $132,000
  Oregon Wine Board $234,000
  Oregon Cranberry Growers Association $10,000
  Concord Grape Research Council $111,504
  Washington Red Raspberry Commission $420,000
  Washington Strawberry Commission $53,694
  Washington Blueberry Commission $101,764
  Washington Wine Commission $835,000
  WA Wine Commission Wine Advisory Committee $477,110
  Idaho Grape & Wine Commissions $50,000

- Will this project require future funding beyond FY11? If so, please describe.
  Yes. The "Small Fruits Initiative - Plant Improvement" has additional components that will require funding in the future including berry breeding.

- Who is the final recipient of these funds? Where are they located?

  Small Fruit Pathology Program: Funding will be used for a new ARS research post and pre harvest plant pathology program including one ARS research scientist, one full time technician, greenhouse, office and laboratory space at the Horticultural Crops Research Lab in Corvallis, Oregon (3420 N.W. Orchard Ave. Corvallis, OR 97330). Funding would also be used for a technical support position at the NW WA Research & Extension Center in Mt. Vernon, Washington (16650 State Route 536 Mt. Vernon, Washington 98273).

  Site Feasibility Study and Phase I Design for Additional or New Research Facilities: Funding would go to the Horticultural Crops Research Lab.(3420 N.W. Orchard Ave. Corvallis, OR 97330)

  Competitive Research Grants. The funding would go to researchers at USDA-ARS, Oregon State University, Washington State University and University of Idaho who compete for the grant funds.

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A
- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Bioremediation Research

Priority:

Amount Requested: $600,000

Agency/Account: ARS

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

There are approximately 30 to 40 million acres of U.S. military ranges and bases contaminated with munitions, including TNT, RDX, and HMX, that the EPA estimates will cost more than $30 billion to clean-up. Agricultural-based bioremediation technologies are a potentially low-cost approach to munitions clean-up because they would eliminate the need to excavate, transport and then process large volumes of contaminated soil. If effective, clean-up costs could be reduced by 90 percent, saving the federal government billions of dollars. This project couples specially bred grasses with ruminants (grazing animals such as sheep) to investigate whether grasses can absorb munitions into their foliage to then be detoxified in the rumen of grazing animals by anaerobic bacteria without harmful effects to the host. Funds requested for this project would be used to study the absorption potential of three grass species – tall fescue, perennial ryegrass, and orchard grass – and continue efforts to develop an economically and environmentally-friendly method of bioremediating munitions residues using plants and animals.

This FY2011 proposed funding will be allocated as follows:

Salaries plus OPE.....	$296,708
Current Post Doc #1	$75,176
Current Post doc #2	$64,346
½ Current Research Associate #1	$41,831
½ Current Research Associate #2	$34,590
NEW Research Associate #3	$46,175
NEW Graduate student	$34,590

Materials and Supplies.....	$303,292
Field studies & travel	$122,000
Greenhouse studies	$82,000
Laboratory supplies and standards	$99,292

- Provide the funding history for this project. Include all private and public funds.

  Funding for the last five years follows:
  FY06 USDA/ARS: $85,900 for OSU/$120,000 to USDA
  FY07 USDA/ARS: $80,190 for OSU/$120,000 to USDA
  FY08 USDA/ARS: $60,000 for OSU
  FY09 USDA/ARS: $56,040 for OSU
  FY10 USDA/ARS: $55,000 for OSU/$110,000 to USDA

- Does this project receive matching funds? If so, please give a detailed description.

Ruminant Solutions, Inc. will contribute $200,000 toward this research.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes, it requires ongoing funding of $600,000/year.

- Who is the final recipient of these funds? Where are they located?

Oregon State University
Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): No

- Requested Report Language (if any): No

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Endophyte Research

Priority:

Amount Requested: $1,400,000

Agency/Account: ARS

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

  This project seeks to alleviate the toxic effects of fungal endophyte-infected grasses fed to cattle and other livestock while maintaining and improving the grass's ability to persist on poor soils and during drought. Endophyte toxicosis costs $1 billion in losses to U.S. livestock producers annually. Exports of U.S. grass products have also been greatly restricted due to the presence of high concentrations of endophyte toxins in U.S. products. This project, conducted jointly by Booneville ARS, Oregon State University, University of Arkansas and University of Missouri, seeks to solve the toxic endophyte dilemma through the development of new varieties of pasture grass that are nontoxic to livestock and by developing new ways to detoxify commonly infected grasses such as tall fescue and perennial ryegrass. Researchers will also investigate how animal health and performance are affected by endophyte toxins.

  This FY2011 proposed funding will be distributed among all cooperators. Of the $1,400,000 requested, $268,675 is for OSU.

The University of Missouri uses the majority of its allotted endophyte toxicosis research funds for personnel, the University of Arkansas divides up its funds much the same as OSU with a majority for personnel and lesser amounts for major equipment purchases and supplies to conduct research projects (allocation of budgeted funds vary per year according to the projects planned).

- Provide the funding history for this project. Include all private and public funds.

FY06 ARS: $1.4 million (all partners), of which $289,577 to OSU
FY07 ARS: $1.4 million (all partners), of which $217,047 to OSU
FY08 ARS: $1.4 million (all partners), of which $267,550 to OSU and $20,000 to Booneville ARS
FY09 ARS: $1.4 million (all partners), of which $268,675 to OSU
FY10 ARS: $1.4 million (all partners), of which $268,675 to OSU

- Does this project receive matching funds? If so, please give a detailed description.

This grant program does not allow OSU to charge overhead expenses, hence the University is covering facilities maintenance, operations, repair and upgrading expenses as well as administrative operational expenses through other funding sources. Support for endophyte toxicosis research is part of overall support for agriculture research projects that has been provided by the Oregon Seed Council through their annual research funding to Oregon State University College of Agricultural Sciences in the amount of $290,000. The Oregon Seed Council has also been instrumental in securing legislative support for agriculture related research through appropriations to the Oregon Agriculture Experiment Station which are distributed to support a variety of projects in the Colleges of Agricultural Sciences and Veterinary Medicine at OSU (Poisonous Plant Research currently receives $146,000 per year). In the past, additional support to OSU research important to Oregon agriculture has come from field burning fees and commodity group contributions equivalent to $200,000 annually. Direct in-kind support to endophyte toxicosis research in services and donated seed has been provided by the Oregon Grass Seed Industry to equal $150,000. The Oregon AgFiber Association has contributed $150,000 in forage for feeding trials here and in Japan, as well as contributing personnel time and money to establish a quality assurance and quality control (QA/QC) program between the U.S. and Japan. Endophyte toxicosis research at OSU has also received $55,000 from the Oregon AgFiber Association for the last two years designated for equipment purchases for the OSU Endophyte Testing Laboratory.

- Will this project require future funding beyond FY11? If so, please describe.
  Yes, it requires ongoing funding of $1,400,000/year.

- Who is the final recipient of these funds? Where are they located?

Oregon State University
Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Grass Seed Cropping

Priority:

Amount Requested: $500,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

  Over 90 percent of U.S. cool-season forage and turfgrass seed is produced in the Pacific Northwest. This program supports sustainable grass seed cropping practices. The industry faces environmental and economic challenges including pressure to phase out open-field burning; alleviation of smoke and chemical trespass from crop production areas; lack of integrated cropping systems; protection of genetic diversity and identification of germplasm diversity; alternate production strategies; and better utilization of post seed harvest residues. There is growing interest in using grasses in pasture-based livestock feeding systems, exploring the effects of endophytes in grasses and using grasses to provide ecosystem services.

  Funds are allocated through a competitive grant process hence budget allocations differ within each funded proposal. In general, two thirds of funding is used to pay for labor (faculty research assistants, graduate students, undergraduate students or temporary workers) with remaining funds used for services, supplies, travel and a limited amount of needed equipment. Oregon-based scientists typically receive more than half of available funds.
- Provide the funding history for this project. Include all private and public funds.

FY06 USDA/NIFA: $416,000
FY07: $224,000 in Hatch Act support
FY08 USDA/NIFA: $333,000
FY 09 USDA/NIFA: $313,000
FY10 USDA/NIFA: $313,000

- Does this project receive matching funds? If so, please give a detailed description.

This program constitutes one of the many programs with the OSU College of Agricultural Sciences and the OSU Agricultural Experiment Stations. State funding is provided for faculty salaries and infrastructure support. More than seven scientists work at least part time on grass seed related issues. The Oregon Seed Council typically provides over $125,000 for seed crop research annually with matching funds (an additional $125,000) provided by the Oregon Department of Agriculture. The Tall Fescue, Ryegrass and other commissions typically provide additional funding for work specific to their crops.

- Will this project require future funding beyond FY11? If so, please describe.

Yes. Grass seed is the dominant crop in western Oregon and a major crop in irrigated areas of Central Oregon, the Columbia Basin and LaGrande. The farm gate value of seed crops in Oregon is annually over $500 million and typically accounts for over 10 percent of all farm product value in the state.

Grasses are a sustainable national resource that can aid in cooling urban environments, can be used in control of soil erosion, can serve as chemical filters along waterways and are essential in the creation of recreational areas that can improve the health of Americans. Sustainable grass seed cropping practices are essential to maintain and further improve this national resource. Innovations and refinements in management and pest control strategies will help support this important Oregon industry.

- Who is the final recipient of these funds? Where are they located?

Oregon State University
Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Meadow Foam

Priority:

Amount Requested: $275,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

The goal of this research program is to increase the supply of renewable industrial oils for U.S. manufacturers through use of the crop plant meadowfoam. Meadowfoam is a newer crop in the Pacific Northwest (PNW) that produces oil with unique chemical properties that are utilized by manufacturers of personal care products and are being explored for use as a fuel additive, as a component of vehicle lubricants and in pharmaceutical products. Meadowfoam meal, a by-product of oil extraction, also has unique properties and research into use of meal and meal extracts as biological pesticides and plant growth enhancing agents is underway. These materials may be of use in organic crop production systems. This project supports research in breeding and management practices for this alternative crop in the PNW as well as investigation into potential uses of meal. Funds will be allocated as follows: professional faculty salaries (65%), student labor (10%), and travel, publications, supplies and services (25%).

- Provide the funding history for this project. Include all private and public funds.

FY06 USDA/NIFA: $240,000
FY07: $240,000 in Hatch Act support.
FY08 USDA/NIFA: $178,716
FY09 USDA/NIFA: $167,812

FY10 USDA/NIFA: $180,000

- Does this project receive matching funds? If so, please give a detailed description.

  This grant program does not allow OSU to charge overhead expenses, hence the University is covering facilities maintenance, operations, repair and upgrading expenses as well as administrative operational expenses through other funding sources. Royalty fees generated on sales of meadowfoam seed are returned to the program to help cover operational expenses. The OMG Meadowfoam Oil Seed Growers Cooperative is making in-kind contributions of labor and land to support research efforts and also provides at least $50,000 in direct funding for research activities annually. Proceeds from an endowment for new crop research are also supporting this effort.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. On national and regional levels, this research addresses the need for renewable sources of industrial chemicals and crop diversification. On a local level, meadowfoam is one of the few crops that can be effectively grown in rotation with grass seeds. Oregon produces over 90 percent of some of our nation's turf and forage grasses. Rotation crops are vital for economic sustainability and biological diversification and play a critical role in reducing weed, insect, and disease problems in grass seed production.

- Who is the final recipient of these funds? Where are they located?

  Oregon State University
  Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Molluscan Shellfish

Priority:

Amount Requested: $600,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

The Molluscan Broodstock Program (MBP) seeks to improve desirable traits of West Coast oysters by means of a selective breeding program. The West Coast oyster industry employs about 3,000 people in rural coastal communities with harvests worth an estimated $84 million per year. The primary trait of interest for industry is increased yield but recent severe difficulties in rearing larvae in commercial hatcheries has emphasized larval survival as an important trait. The causes of these hatchery problems have not been determined but are correlated with upwelling deep, acidic seawater that may be associated with global warming. Selected MBP broodstock is used by commercial hatcheries for large-scale seed production with about 400 million larvae produced from MBP broodstock last year by Oregon's Whiskey Creek Hatchery. FY11 funds will be allocated as follows: salaries ($300,000), benefits ($180,000), expendables and materials ($100,000), and travel ($20,000).

- Provide the funding history for this project. Include all private and public funds.

FY06 USDA/NIFA: $325,021
FY07: Hatch Act support provided.

FY08 USDA/NIFA: $337,341
FY09 USDA/NIFA: $250,944
FY10 USDA/NIFA: $253,000

- Does this project receive matching funds? If so, please give a detailed description.
  Yes, following are recent matching fund contributions:

Oregon Sea Grant:	$97,307	(2006-2009)
Alaska Sea Grant:	$36,997	(2006-2008)
Alaska Sea Grant:	$49,111	(2008-2010)
NOAA ODRP:	$200,000	(2007-2010)

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. The U.S. trade deficit in seafood was about $10 billion in 2008 with the U.S. importing about 83 percent of its consumed seafood. The Pacific Northwest (PNW) is the biggest regional producer of oysters in the U.S., following the collapse of the mid-Atlantic oyster fishery due to diseases and pollution and the long-term effects of Hurricane Katrina on Gulf states' production. Dockside oyster production in the PNW is valued at $86 million.

  Oyster farming in Oregon is an important economic coastal activity with production valued at about $4.7 million annually. One of only four major West coast oyster hatcheries, Whiskey Creek Hatchery is located in Netarts Bay, Oregon, and was established with significant technical support from OSU. This hatchery supplies seed to more than 70 percent of West coast oyster growers and was one of the hatcheries that has had major problems rearing oyster larvae in 2007 and 2008. Failure of this hatchery would have a catastophic effect on the viability of West Coast oyster growers.

- Who is the final recipient of these funds? Where are they located?

  Oregon State University
  Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Multi-commodity Research

Priority:

Amount Requested: $347,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

This project enhances competitiveness and expands the economic value-added component in Oregon agricultural products through research and outreach in food processing, product development, business strategy, marketing, and consumer testing. There is growing consumer demand for high quality, value-added products from the Pacific Northwest that can compete effectively in the marketplace. Value-added processing and marketing of agricultural-based products offer potential for expansion, economic growth and job creation. Research will support food processing and product development, investigate consumer perceptions of product quality and value, and evaluate marketing and food industry strategies suitable to the small and medium sized firms of the Northwest.

FY11 project funds will be allocated as follows: faculty salaries ($77,000), graduate research assistantships ($45,000), faculty research assistants ($170,000), undergraduate students ($10,000), travel ($5,000), supplies and services ($20,000), and equipment ($20,000).

- Provide the funding history for this project. Include all private and public funds.

  FY06 USDA/NIFA: $329,651
  FY07: Congressionally directed spending was eliminated in FY07.
  FY08 USDA/NIFA: $242,609
  FY09 USDA/NIFA: $227,478
  FY10 USDA/NIFA: $244,000

- Does this project receive matching funds? If so, please give a detailed description.

  Yes. $300,000 is contributed by Oregon State University.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. This research fuels economic success among Northwest food producers, processors, marketers, and entrepreneurs through assistance in production, packaging, product quality and marketing decisions. During the past year more than 50 companies and commodity associations throughout the Pacific Northwest have been assisted in areas of value-added product development, consumer testing, and market research.

- Who is the final recipient of these funds? Where are they located?

  Oregon State University
  Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): No

- Requested Report Language (if any): No

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Organic Cropping

Priority:

Amount Requested: $400,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

Strong agricultural infrastructure and a unique climate position Oregon agriculture to continue to grow dramatically in market share of organic dairy and meat, cereals, tree fruits, specialty seed, berry crops, wine grapes, and processed and fresh market vegetables. Oregon's location on the 45th parallel, mild winters, dry summers, access to irrigation water, and the presence of experienced and successful organic farmers position Oregon to become a world leader in organic production. Research directed at problems facing these commodities will enhance Oregon agriculture's competitiveness in the marketplace. Projects aim to increase the efficiency of Oregon's organic farmers, enabling them to improve profitability, meet a larger portion of the demand for organic products, and be more competitive in the international market place, while protecting and enhancing Oregon's natural resources

- Provide the funding history for this project. Include all private and public funds.

FY08 USDA/NIFA: $138,897
FY09 USDA/NIFA: $130,520
FY10 USDA/NIFA: $149,000

- Does this project receive matching funds? If so, please give a detailed description.

Yes. Historically the state has contributed approximately $500,000 in salary with benefits annually. Faculty contribute between 10 and 100% of their time for organic cropping systems research and outreach. With respect to other external funding from grants and contracts, including competitive grants and commodity commission support, an estimated additional $500,000 supports organic cropping systems research.

- Will this project require future funding beyond FY11? If so, please describe.

Yes. Human wellness and the health of managed and natural ecosystems are improved through organic farming systems. Organic farms maintain biodiversity, conserve soil, protect water and dramatically reduce the use of chemical fertilizers, pesticides, and genetically modified organisms (GMOs). Using natural ecosystems as their model, organic farmers create landscapes that are highly productive and resilient. They draw on traditional techniques and modern scientific knowledge to increase yields and improve food quality over the short-term and the long-term.

In 2007, Oregon's 799 certified organic farms generated more than $88.3 million in organic products from approximately 87,600 certified acres. This project will contribute to the vitality and sustainability of urban and rural farms and communities through the organic farming industry. The increasing demand for organic food and farm products that are locally and regionally produced will increase employment and ownership opportunities, capacity for transitioning farms, and enhance environmental quality of farm ecosystems.

- Who is the final recipient of these funds? Where are they located?

Oregon State University
Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much?

No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Potato Breeding Research

Priority:

Amount Requested: $2,800,000

Agency/Account: NIFA/REA

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

  This multi-state project works to develop and commercialize new potato varieties that will directly benefit all segments of the Northwest potato industry and indirectly benefit all U.S. producing regions. The funds are used to develop and identify varieties with high yield, improved processing quality, genetic resistance to major pests and diseases, higher levels of resistance to stresses, increased nutrient use efficiency, improved human nutritional value, and high tuber quality. An additional environmental benefit comes with reduced use of pesticides, water, and fertilizers, which are typical by-products of improved varieties.

  Funds are allocated to individual cooperators to accomplish specific project tasks. Work assignments are made collectively with funds allocated based on ability to deliver end results of specific types. Funds are used for lab and field research with funds specifically being used to support research technicians, graduate research assistant salaries, student workers, field and laboratory expenses, other materials and supplies, and travel expenses.

- Provide the funding history for this project. Include all private and public funds.

FY06 USDA/NIFA: $166,919

FY07: $166,919 in Hatch Act support.
FY08 USDA/NIFA: $123,000
FY09 USDA/NIFA: $117,000
FY10 USDA/NIFA: $159,000

- Does this project receive matching funds? If so, please give a detailed description.

  Yes. In nearly all cases, principal investigator salary and benefits are not paid through grants provided under this program and therefore represent an in-kind match of state dollars to funded research and extension programs. The program does not allow payment of graduate student tuition but will allow payment of student stipends. The partner universities provide tuition payment through state funds. This grant program does not allow partner universities to charge overhead expenses, hence the universities are covering facilities maintenance, operations, repair and upgrading expenses as well as administrative operational expenses through other funding sources. In most instances, principal investigators have secured funding for parallel research through state commodity organizations or other state agencies. The Oregon Potato Commission will provide over $200,000 in 2008-09 potato research funding, more than matching the $123,000 in federal funds (FY08 dollars) provided for the same funding period.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. The potato varieties released by this program boast improved quality, increased yield, and decreased inputs. They are now produced on 100,000 acres and valued at more than $150 million farm gate nationally. Potato processing creates hundreds of Oregon jobs and millions of dollars in product sales. As new varieties are adopted and fertilizer and pesticide inputs decrease, profitability will increase and environmental impact will be lessened. The overall impact will be to maintain or improve the competitiveness of the Northwest potato industry, facilitate sustainable production for growers, help insure a healthy, inexpensive food supply for American consumers, and improve the safety and quality of the work environment for all involved in potato production.

- Who is the final recipient of these funds? Where are they located?

Oregon State University
Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Regional Barley Gene Mapping

Priority:

Amount Requested: $800,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

Researchers from Oregon, Minnesota, North Dakota, Washington, and Wisconsin developed the Enhancing Barley Through Genomics (EBTG) initiative to stimulate economic activity and enhance human health and welfare through improved barley varieties. The EBTG is a coordinated application of genomics tools to four research areas that have the greatest potential to increase barley production – winter hardiness, drought tolerance, disease resistance, and quality. A vigorous public sector research community, in cooperation with the private sector, has developed a robust set of genomics and molecular breeding tools. These discoveries in basic biology will be used in practical applications to develop varieties more tolerant of the stresses caused by disease, insects, and climate change. This will lead to greater productivity with fewer inputs and the superior quality needed to compete in domestic and world markets.

Funding will be divided equally between participating states, with $160,000 coming to Oregon. Within Oregon funding will be allocated to: salaries ($85,000); genetics laboratory equipment and supplies ($25,000); food, malting, and brewing pilot plant supplies and equipment ($25,000); and seed production supplies, facilities, and equipment ($25,000).

- Provide the funding history for this project. Include all private and public funds.

  FY06: USDA/NIFA: $630,319
  FY07: Congressionally directed spending was eliminated in FY07.
  FY08: USDA/NIFA: $502,458
  FY09: USDA/NIFA: $468,551
  FY10: USDA/NIFA: $471,000

- Does this project receive matching funds? If so, please give a detailed description.

In nearly all cases, principal investigator salary and benefits are not paid through grants provided under this program and therefore represent an in-kind match of state dollars to funded research and extension programs. The program does not allow payment of graduate student tuition but will allow payment of student stipends. The partner universities provide tuition payment through state funds. This grant program does not allow partner universities to charge overhead expenses; hence the universities are covering facilities maintenance, operations, repair and upgrading expenses as well as administrative operational expenses through other funding sources. In most instances, principal investigators have secured funding for parallel research through state commodity organizations or other state agencies.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. Without continuing federal investment in public sector barley research projects, the U.S. will concede its competitive edge and domestic and export markets for barley and its value-added products to its competitors in Australia, Canada and Europe. This would negatively impact U.S. economic activity, jobs, federal, state and local tax revenue. This project will develop varieties that provide needed crop diversity for Eastern Oregon wheat farmers. In western Oregon, barley varieties with unique quality profiles will be a cornerstone of farm diversification and development of local value-added products such as craft beers, heart-healthy foods, natural meats, and artisan dairy products.

- Who is the final recipient of these funds? Where are they located?

Oregon State University
Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Small Fruit Research

Priority:

Amount Requested: $500,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

The Northwest Center for Small Fruits Research (NCSFR) provides competitive grants to enhance profitability and sustainability for a number of crops, including blueberries, strawberries, raspberries, blackberries, cranberries, table grapes, wine grapes, huckleberries, gooseberries, and black currants. Research priorities for each small fruit crop are established by the combined efforts of industry representatives and scientists. Research priorities are based on constraints on production and processing in the areas of breeding, integrated pest management, physiology, enology, small fruit horticulture, and genetics. The priority setting process ensures an effective means to respond to current challenges within the small fruits industries.

Funds are awarded through a competitive process with true peer and grower evaluation of submitted proposals. A small portion of the funds is used to run the competitive process and to support the national online information network (InfoNet). The bulk of the funds go to on-the-ground research and extension programmatic activities with funds specifically being used to support research technicians, graduate research assistant salaries, student workers, field and laboratory expenses, other materials and supplies, and project travel expenses. We estimate that about a half of the program funds are spent on

supplies and services (field and laboratory), publications and travel; the balance goes into salaries.

- Provide the funding history for this project. Include all private and public funds.

FY06 USDA/NIFA: $409,429
FY08 USDA/NIFA: $326,697
FY09 USDA/NIFA: $286,212
FY10 USDA/NIFA: $307,000

- Does this project receive matching funds? If so, please give a detailed description.

Yes. In nearly all cases, principal investigator salary and benefits are not paid through grants provided under this program and therefore represent an in-kind match of state dollars to funded research and extension programs. The program does not allow payment of graduate student tuition but will allow payment of student stipends. The partner universities in the past provide tuition payment through state funds. This grant program does not allow partner universities to charge overhead expenses, hence the universities are covering facilities maintenance, operations, repair and upgrading expenses as well as administrative operational expenses through other funding sources. In most instances, principal investigators have secured funding for parallel research through state commodity organizations or other state agencies. While difficult to quantify on a specific basis and varying from year-to-year, non-federal contributions are at least 1.5 to 1 for each federal dollar provided to the program.

- Will this project require future funding beyond FY11? If so, please describe.

Yes. The Pacific Northwest is a major producer of small fruits and grapes. The production value of Oregon berry crops and wine grapes were over $154 million in 2004-05. High quality crops are increasingly valued by consumers because of their beneficial health properties and domestic and international demand continues to grow at a rapid rate. The NCSFR provides state, regional and national on-line small fruits information and research solutions in the areas of crop management, pest management, soils and plant nutrition, irrigation, crop statistics, economics, organizations, prices and shipments, international trade.

- Who is the final recipient of these funds? Where are they located?

Oregon State University
Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Wood Utilization Research

Priority:

Amount Requested: $7,000,000

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

The Wood Utilization Research (WUR) program is a research and outreach program that initiates creative and innovative science, technology and advanced business practices that: 1) enhance the domestic and global competitiveness of the U.S. wood products industry; 2) foster sustainable and environmentally acceptable product manufacturing and forest operations; and 3) lead to greater and more efficient use of renewable wood-based materials that aid America's energy independence and reduce greenhouse gas emissions. WUR is a multistate program with partner universities in Oregon, Mississippi, Michigan, Maine, North Carolina, Louisiana, Minnesota, Tennessee, Montana, Washington, Idaho, Alaska, and West Virginia. The program focuses on research endeavors that cannot be supported by a fragmented industry largely made up of small-to-medium sized enterprises that lack research capacity. OSU researchers focus problems and opportunities specific to Oregon.

Budgets of annual grants vary by the specific peer-reviewed research that is proposed. Typically, individual two-year project budgets vary between $25,000 and $80,000. Most funding goes for graduate student assistantships; supplies and services; research personnel costs; and travel, in that order.

- Provide the funding history for this project. Include all private and public funds.

FY06 USDA/NIFA: $6.435 million for 12 universities/OSU funding: $728,000
FY08 USDA/NIFA: $4.875 million for 13 universities/OSU funding: $526,000
FY09 USDA/NIFA: $4.545 million for 12 universities/OSU funding: $475,000
FY10 USDA/NIFA: $4.841 million for 13 universities/OSU funding: $525,000

- Does this project receive matching funds? If so, please give a detailed description.

  Yes. This varies by specific sub-project and is often in-kind contributions such as the use of land, facilities or equipment. OSU contributes to the WUR through tuition waiver for each graduate student (approximately $10,000 per student or $150,000 for 15 students) and by waiving indirect costs (approximately $220,000 in FY09).

- Will this project require future funding beyond FY11? If so, please describe.

  Yes. WUR is the only federal program supporting university research and outreach that seeks to strengthen the economic development and global competitiveness of the American wood products industry. Oregon is the largest producer of softwood products for use in home building and employed over 85,000 workers achieving over $13 billion of annual output before the current recession. WUR centers address a range of issues from biofuels production and the incorporation of nanomaterials into advanced hybrid biocomposites, to making traditional forest products industries competitive in a global economy. WUR research has generated millions of dollars in savings for Oregonians and Oregon industry, created new business opportunities, advanced new sustainable and energy-efficient technologies, and helped ensure science-based policy and regulatory decisions.

- Who is the final recipient of these funds? Where are they located?

  Oregon State University
  Corvallis, Oregon 97331

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Spalding Avenue Sewage Pump Station

Priority:

Amount Requested: $0. Only committee report language is requested.

Agency/Account: Rural Development

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

  The City of Grants Pass lacks state certified industrial land to encourage the expansion of local companies and the ability to recruit new businesses to the area. There are certain needs for industrial land to be successful. These lands need to be close to an interstate, railway, or other major transportation system. They also need to be flat or, at least, with very little slope. The City of Grants Pass is located in a mountainous region surrounded by state and national forests. As a result, the availability of lands suitable for industrial development is seriously limited. Grants Pass is located in Josephine County, identified by the State of Oregon as "severely distressed". Unemployment has grown well over 13% with no signs of slowing. Funding the infrastructure needed to develop this industrial park will enable the City to provide larger parcels of land (more than 10 acres) needed to attract larger industries.

  Funds for this project will be spent for final design and engineering of the sewage pump station in the Spalding Industrial Park, located on the eastern side of Grants Pass. Due to existing sewer locations in the area, this 65 acre tract, site of the former Spalding & Sons sawmill, has no access to sewer service, preventing development in the area with much needed industrial jobs. The project also

includes acquisition of needed land to site the facility, construction of the pump station, and installation of a force main to connect the station to existing gravity sewer mains. With this installed, the City will be able to actively recruit larger industries to the area, helping to stimulate the local economy and create jobs. In fact, the City is in preliminary discussions with a manufacturing company that needs a large facility with rail access. Without sewer available, this potential job generator will not be able to view Grants Pass as a viable location.

- Provide the funding history for this project. Include all private and public funds.

  In 2004, the City of Grants Pass adopted an updated Collection System (sewer) Master Plan for the urbanizing area. Identified within this plan was the need for a sewage pump station in the area of Spalding Industrial Park to serve not only redeveloping industrial land in that vicinity, but several residential properties that do not have access to City sewer. Because the location and coverage of this pump station was vague in the master plan, the City in 2006 hired a civil engineering firm to study the Spalding Industrial Park area and make a refinement plan for exact siting and coverage of this facility. This study cost the City of Grants Pass $13,000, which was paid for out of the Public Works budget. No further public funds have been spent on this project.

- Does this project receive matching funds? If so, please give a detailed description.

  There are no local matching funds being provided by the City of Grants Pass other than the $13,000 spent to date studying the area and providing a cost estimate for construction; however the primarily affected property owner, Spalding & Sons, has agreed to contribute $250,000 towards the construction of this facility.

- Will this project require future funding beyond FY11? If so, please describe. No.

- Who is the final recipient of these funds? Where are they located?
  The City of Grants Pass
  101 NW 'A' Street
  Grants Pass, OR 97526

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any):

RURAL WATER AND WASTE DISPOSAL PROGRAM ACCOUNT. The Committee has been made aware of and encourages the Department to consider applications for water and waste disposal loans and grants for the following projects: [...] Spalding Sewer Lift Station.

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: City of Riddle Wastewater Plant Upgrade

Priority:

Amount Requested: $0. Only committee report language is requested.

Agency/Account: Rural Development

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

The wastewater treatment plant serving the City of Riddle is over 30 years old, well beyond its original design life. The plant has significant issues 1) failing equipment, 2) insufficient hydraulic capacity and 3) increasingly stringent discharge requirements associated with the recently completed Umpqua Basin TMDL. Inadequate hydraulic capacity has been responsible for sewage overflows at the plant putting the City in noncompliance with the DEQ.
The low-moderate income rate of the citizens of Riddle is 65%, well above Douglas County average of 40%. Without significant help, City residents will be faced with monthly sewer bills in range of $110. Many will have to make decisions about whether to pay their rent or pay their sewer bill.

The requested funds would be used for construction to complete needed improvements to the City's wastewater treatment plant. Despite the best efforts of City staff to maintain the aging facility it's beginning to fail. Improvements include those needed to increase hydraulic capacity and eliminate raw sewage overflows that occur on almost an annual basis. Necessary upgrades to the City of Riddle's wastewater treatment plant advance Riddle's commitment to complying with State and Federal laws regarding Section 303(d) of the Clean Water Act. To accomplish this, the State has mandated a path that progresses

towards water quality standard compliance with the issuance of TMDL's, allotting Riddle very stringent phosphorus limits. That, including a Mutual Agreement and Order (MAO) for chlorine toxicity between Riddle and DEQ and the history of raw sewage overflow violations due to inadequate hydraulic capacity, contributes to the need for upgrades to the treatment plant. These new mandated standards will result in better quality wastewater plant effluent. However, they will also require construction of additional costly treatment improvements. The funds are critical to help reduce the impact of the construction costs on the residents during these continuing difficult economic times. Requested funds will ensure a successful project by providing those needed construction dollars.

- Provide the funding history for this project. Include all private and public funds.

The City began the project by updating their Facilities Plan and completing detailed design. The total cost of those activities was $855,600. The funding was provided by loans from Oregon State DEQ Clean Water State Revolving Loan program and Oregon Business Development Department Water/Wastewater program; and a Community Development Block Grant from Oregon Business Development Department.

The City has received a $2,000,000 loan and $1,000,000 grant from USDA Rural Development for construction, and is seeking nearly $900,000 in Community Development Block Grant funds. The remaining funds for construction will be sought from the DEQ State Revolving loan fund.

- Does this project receive matching funds? If so, please give a detailed description. No

- Will this project require future funding beyond FY11? If so, please describe. No

- Who is the final recipient of these funds? Where are they located?

The City of Riddle
PO Box 143
Riddle, Oregon 97469

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any):

RURALWATER AND WASTE DISPOSAL PROGRAM ACCOUNT. The Committee has been made aware of and encourages the Department to consider

applications for water and waste disposal loans and grants for the following projects: [...] City of Riddle Wastewater Plant Upgrade.

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Western Wheat Quality Laboratory

Priority:

Amount Requested: $1,050,000

Agency/Account: Agricultural Research Service/ Salaries and Expenses

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

The USDA-ARS Western Wheat Quality Laboratory in Pullman, WA, supports the entire wheat industry, including breeders, growers, millers, bakers, and exporters. An erosion of funds, staffing, and antiquated equipment jeopardizes research responsible for processing and product quality attributes of wheat grown in the PNW; over 300 million bushels each year, worth $1.5 billion. The Pullman USDA-ARS Regional Genotyping Laboratory conducts research to reduce threat of virulent rust diseases and supports variety development efforts throughout the west. This ARS laboratory is critically underfunded and unable to meet the rapidly growing demand for marker information needed to develop disease resistant wheat varieties.

- Provide the funding history for this project. Include all private and public funds.

  Western wheat quality Lab FY09 - $1,081,000
  Regional Wheat genotyping Laboratory FY09 - $350,000

- Does this project receive matching funds? If so, please give a detailed description. No.

- Will this project require future funding beyond FY11? If so, please describe.

  Yes, this is an ongoing wheat breeding and research project

- Who is the final recipient of these funds? Where are they located?

  ARS Pullman, WA

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much?
  No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Relocating Seaside School District out of the Tsunami Zone.

Priority:

Amount Requested: $0. Only committee report language is requested.

Agency/Account: Rural Development

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.
  The Oregon Department of Geology and Mineral Industries (DOGAMI) recently conducted research assessing the seismic safety of Oregon's public schools, including their risk of tsunami inundation. The study concluded:

  - Cannon Beach Elementary School, Gearhart Elementary School, Broadway Middle School, and Seaside High School (all in Seaside School District) are at the highest risk level of collapse during an earthquake.

  - Cannon Beach Elementary School, Gearhart Elementary School, Broadway Middle School, and Seaside High School are at the highest risk level of being inundated by tsunamis. There were only seven public schools in Oregon that received this rating. Four of the seven schools are in Seaside School District.

  In addition, DOGAMI paleoseismologist Dr. Rob Witter and tsunami geologist Dr. George Priest recently concluded a ground breaking two-year field investigation of past tsunami events for Seaside School District and the City of Cannon Beach applying the best available geological research techniques and state-of-the-art modeling. As a result of this study, the scientists strongly

recommend that Seaside School District relocate the four schools that are below 20 feet in elevation to property that is at least 80 to 100 feet in elevation.

The recurrence interval for Cascadia Subduction Zone (CSZ) earthquakes along the Oregon Coast averages between 300 to 350 years. It has been 309 years since the last CSZ events. CSZ earthquakes are magnitude 8.5 and higher and they last from four to six minutes.

Current evacuation of these four buildings is impeded by several factors. All schools are located a significant distance from higher ground and, if students are able to evacuate, they must do so on foot. At three of the schools, students must hope the bridges are safe enough to cross. While at the fourth school, the maximum elevation accessible for evacuation is 40 feet. The purpose of the project would be to construction new facilities and relocate the schools and students to safer areas.

- Provide the funding history for this project. Include all private and public funds.

  Seaside School District will seek to utilize federal funding, state funding, local funding, and the sale of the current facilities to pay for the new campus.

- Does this project receive matching funds? If so, please give a detailed description. No

- Will this project require future funding beyond FY11? If so, please describe.

  We anticipate Seaside School District will seek a construction bond levy in November 2011 or 2012.

- Who is the final recipient of these funds? Where are they located?

  Seaside School District
  1801 South Franklin Street
  Seaside, Oregon 97138

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

RURAL COMMUNITY PROGRAM ACCOUNT- The Committee has been made aware of and encourages the Department to give consideration to applications relating to essential community facilities for the following: [...] Seaside School Relocation.

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Harney Basin Riparian Areas, Collaboration, Facilitation, and Education

Priority:

Amount Requested: $250,000

Agency/Account: NRCS/CO

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

  The High Desert Partnership, a non-profit based in Burns, Ore., will work to identify the uses and condition of riprarian areas in the Harney Basin, using available research, science and knowledge of people who are familiar with those areas. It will concentrate on the potential uses and important of the areas for agriculture, wildlife, and other uses.

  The HDP will help facilitate ways to use those lands, public and private, for the long-term interests of the Harney Basin. It will also work to develop educational materials to use to broaden the acceptance of science in determining the best use of riparian areas in the basin.

  Facilitation Administration $40,000
  Management $25,000
  Research, synthesis, writing - $60,000
  Curriculum development - $25,000;
  Publications (including video) $100,000.

- Provide the funding history for this project. Include all private and public funds.

This is a new project.

- Does this project receive matching funds? If so, please give a detailed description.
  No.

- Will this project require future funding beyond FY11? If so, please describe.
  No

- Who is the final recipient of these funds? Where are they located?

  High Desert Partnership
  P.O. Box 55
  Burns OR 97738

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much?

  No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Hubbard Creek Impoundment Improvement Project, Port Orford

Priority:

Amount Requested: $0. Only committee report language is requested.

Agency/Account: Rural Utilities Service

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

This project will ensure that the City has sufficient water to treat for the community needs. At present, the impoundment is too small to meet the needs of the community during the dry summer months. The creek has almost dried up several different years. We are presently using all of the stream flow to provide water to the City. This water comes from the impoundment and goes to the treatment plant for treatment before being delivered to the community water users. This project will enlarge the impoundment which will then allow for an adequate supply of water. Having adequate water will allow for growth and additional business to locate in the City. Funds will be spent on construction of the impoundment. There would be some engineering/project inspection costs included in the construction budget.

- Provide the funding history for this project. Include all private and public funds.

Preliminary engineering and design funding has been secured, and the project is nearing completion. Construction (the subject of this request) would begin immediately after

completion of the preliminary engineering and design (which includes necessary permitting and environmental review—probably the most time consuming part of the preliminary project).

- Does this project receive matching funds? If so, please give a detailed description.

We have been approved for $500,000 of ECWAG funding through USDA. We have also identified up to $500,000 local dollars from local ratepayers/taxpayers Final amount dependent upon construction costs, which will be better known at the completion of the study, estimated April 2010.

- Will this project require future funding beyond FY11? If so, please describe.

Not anticipated to need any additional funding.

- Who is the final recipient of these funds? Where are they located?

City of Port Orford
P.O. Box 310
Port Orford, Oregon 97465

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any):

- Requested Report Language (if any):

RURAL UTILITIES SERVICE ACCOUNT- The Committee has been made aware of and encourages the Department to give consideration to applications relating to essential community facilities for the following: [...] Hubbard Creek Impoundment Improvement Project, Port Orford.

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Hubbard Creek Water Distribution Improvement Project, Port Orford

Priority:

Amount Requested: $0. Only committee report language is requested.

Agency/Account: RUS

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

This project will replace deteriorated waterlines and pump stations within the City. We have old waterlines, some of which were installed in the 1920's and 1930's, which are leaking and causing excessive repair costs, and loss of treated water. Presently, we are losing nearly 60% of our treated water to leaks. We have had leak detection companies look for leaks, as well as our own public works crew looking for leaks. The entire system is well beyond its design life, and the deterioration is systemic, and widespread. It is not a result of a lack of maintenance—it is just plain worn out. We have capacity issues in some locations, which will be addressed by the pump station upgrades. Most of our lines are cement asbestos (AC) pipe. This pipe deteriorates over time and starts to leak. We believe (along with our engineer) that the leakage is probably a lot of small ones that are difficult to detect, rather than large leaks that would have been located and repaired. None of the system is still within design lifetime. It is ALL past useful life.

These funds will be mostly spent on construction. There would be some engineering/project inspection costs included in the construction budget.

- Provide the funding history for this project. Include all private and public funds.

N/A

- Does this project receive matching funds? If so, please give a detailed description.

  Local rate payers will be contributing $500,000. In addition, any costs above the current estimate would be absorbed by the local ratepayers. This estimate is several years old (and has received some adjustment for increased costs) and will likely not be 100% of the actual cost.

- Will this project require future funding beyond FY11? If so, please describe.

No.

- Who is the final recipient of these funds? Where are they located?

City of Port Orford
P.O. Box 310
Port Orford, Oregon 97465

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much?

No

- Requested Bill Language (if any):

- Requested Report Language (if any):

  RURAL UTILITIES SERVICE ACCOUNT- The Committee has been made aware of and encourages the Department to give consideration to applications relating to essential community facilities for the following: [...] Hubbard Creek Water Distribution Improvement Project, Port Orford.

AGRICULTURE APPROPRIATIONS
FISCAL YEAR 2011
REQUEST FORM

Member: Wyden & Merkley

Staff Contact (include direct phone number and mobile number):
Wyden: Isaiah Akin, 4-5244 or cell: 703-956-0678
Merkley: Courtney Thompson, 4-7648 or cell: 202-309-7441

Project Name: Energy and Climate Change Research / Technical Assistance for Oregon Agriculture

Priority:

Amount Requested: $1,042,500

Agency/Account: NIFA/SRG

- Please give a full justification/explanation for this request. Include how these funds will be used, ie salaries, buildings, capital investment, etc.

Together, this package of components will help Oregon agriculture producers adapt to changing economic conditions, and to prepare for and mitigate climate change impacts, including increasing drought, pests and disease. Water is key to long-term viability of agriculture and our world's food and material needs. Rotational oilseed crops may be used to produce renewable energy.

Oregonians, and our nation's taxpayers, have a vital interest in maintaining Oregon's diverse and envious farmscape, local food structure, sustainability efforts, and economic viability,

Oregon's producers can also reduce their contributions to greenhouse gas emissions, and if those reductions can be measured, growers may be eligible for tax credits, cost-share or other market-based programs to the benefit of the environment and grower's bottom-line.

Job creation: The research and technical assistance funds requested as part of this proposal will create approximately 8 research and technical jobs in the short term.

Economic Impact: In the long term, the research and assistance funded through this collective effort will protect Oregon's agricultural economy and minimize the threats associated with changing climate conditions and fluctuations in energy costs.

There is no capital investment/buildings with these funds; they are primarily tied to salaries for research, technical assistance, monitoring invasives, and related travel, supplies, etc.

a. **Component 1**: Oilseed crop research. **Objective/Need**: Push the research ahead on work to develop higher-yielding varieties of camelina and cold-tolerant varieties of soybeans. Both of these oilseeds could provide important rotational crops for grass seed growers in western Oregon and throughout the state. These crops can be converted into biofuel, food-grade oil, and livestock feed. They will also provide an alternative to canola, which conflicts with specialty vegetable seeds and other crops grown in western Oregon. The Oregon Legislature invested over $400,000 in oilseed research over the past 3 years. The funding has expired and this research needs to be carried forward.

   Budget request: $300,000 (2 FTE OSU research/extension faculty for one year, contracted through ODA's budget; expect minimum of 3-4 years of effort to accomplish.)

b. **Component 2:** Water supply specialist and technical assistance. **Objective/Need**: Water conservation will be critical to agriculture's irrigation needs as climatic changes occur and other uses compete for the water supply. The agriculture industry needs someone at the state level who is working specifically on agricultural water supply and conservation needs. This request would fund a water quantity position at the Oregon Department of Agriculture (ODA), and maintain the irrigation extension specialist at Oregon State University (OSU). These two positions will take the latest technology and research to agricultural producers regarding water conservation and efficient irrigation technologies, and assist producers with accessing funding to modify systems. The ODA water quantity position will also work with the Oregon Water Resources Department to conduct long-term water supply availability assessments, and to develop plans to ensure an adequate long-term water supply for Oregon agriculture and other in-stream and out-of-stream needs. The OSU position would be contracted through ODA's budget.

   Budget request: $250,000 (2 FTE for one year.)

c. **Component 3:** Climate change adaptation research for crops. **Objective/Need**: Conduct survey of crops that are most susceptible to climate change. Research and develop strategies for adaptation, including new crops and rotational crops, soil management, timing of planting, irrigation management, etc.

   Budget request: $150,000 (1 FTE research/extension faculty for one year; expect 2-3

years for completion.) The OSU position would be contracted through ODA's budget.

d. **Component 4:** Soil carbon sequestration rates research. **Objective/Need**: Establish soil carbon sequestration rates for annual and perennial grass seed fields under conventional, reduced, and no-till systems. This research will investigate soil quality benefits of different tillage systems and help grass seed growers access carbon credits for practices that build soil carbon. Grass seed comprises the largest acreage of all crops in the Willamette Valley, with over 400,000 acres in production. Growers need management information on sustainable tillage systems that ensure adequate yields and pest control, fit well into systems for crop rotation, carbon sequestration, and soil management.

   Budget request: $150,000 (1 FTE research/extension faculty for one year; expect 2-3 years for completion.) The OSU position would be contracted through ODA's budget.

e. **Component 5:** Nitrogen fertilizer management. **Objective/Need**: This component would establish soil emission coefficients for nitrous oxide on both dryland and irrigated lands in western and eastern Oregon, document the greenhouse gas reduction benefits of various cropping practices that reduce nitrogen fertilizer applications (within economical ranges for sustained yields), and help growers to access carbon credits for reduction in nitrous oxide emissions.

   Budget request: $225,000 (1.5 FTE research/extension faculty for one year; cropping cycles and climate/weather impact results and requires multi-year effort, minimum 2-3 growing cycles.) The OSU position would be contracted through ODA's budget.

f. **Component 6:** Invasive species risk assessments. **Objective/Need**: With a more variable climate comes changes in pests and diseases that have not previously existed in Oregon. This is a real threat that could create significant news costs to growers for control, quarantines that may impact export ability, and negative impacts to the natural environment.

   Current State funding for invasive species is limited to *response after something is detected*. Limited federal dollars through cooperative agreements with APHIS are directed to federally regulated, priority pests, not monitoring for early detection of threats in Oregon.

   What is needed are resources to direct toward early detection here – a much more cost-effective approach than responding to a pest once it is established. These invaders could show up this summer, next year, or down the road several years. Already, insect pests are showing up now that have not survived here before: http://egov.oregon.gov/ODA/PLANT/docs/pdf/ippm_alert_d_suzukii.pdf. This effort would enable routine incorporation of invasive species related to climate change into Oregon Department of Agriculture's risk assessment tool for tracking, making projections, and helping to identify the invasiveness risk of plant and disease pests before they become established. Conduct 10-20 risk assessments per year.

Budget request: $100,000 for ODA staff, supplies/materials, etc. (on-going threat/need).

- Provide the funding history for this project. Include all private and public funds.

The State Legislature has invested over $300,000 in the past 3 years in oilseed research related to this effort.

USDA/APHIS contracts with ODA to conduct eradication of targeted invasive species; the State has put resources into the creation of the Invasive Species Council; and the State funds responses to invasives. None of this work, however, is focused on monitoring the threat from invasives correlated to climatic change.

ODA funded a preliminary literature search on grass carbon sequestration through OSU in 2006.

- Does this project receive matching funds? If so, please give a detailed description. No.

- Will this project require future funding beyond FY11? If so, please describe.

Most research in the area of natural resources requires more than one year of evaluation due to the "single shot" of an annual crop, the vicissitudes of nature, the changing pest/disease conditions, and new technology. Most components of the project are estimated to take three years to adequately assess. Therefore, future funding requests for that period of time are desired.

- Who is the final recipient of these funds? Where are they located?

  Oregon Department of Agriculture
  635 Capitol St NE
  Salem, OR 97301

- Are funds being requested through another appropriations subcommittee or is another subcommittee funding this project? If so, which subcommittee and how much? No

- Requested Bill Language (if any): N/A

- Requested Report Language (if any): N/A